



TITLE:

# On the adsorption of hydrogen on reduced nickel : studies at low temperatures

AUTHOR(S):

Iijima, Shun-ichiro

---

CITATION:

Iijima, Shun-ichiro. On the adsorption of hydrogen on reduced nickel : studies at low temperatures. The Review of Physical Chemistry of Japan 1938, 12(1): 1-14

ISSUE DATE:

1938-04-30

URL:

<http://hdl.handle.net/2433/46520>

RIGHT:

taneous adsorption takes place and then with the parts on which the velocity is smaller.

(5) When a poison is small in amount, the amount of instantaneous adsorption decreases by that of the poison and so does the total adsorbed amount.

(6) The adsorption velocity curve changes its form as a poison increases. When the poison is gradually removed, the curve approaches that of the new nickel by changing in a reverse order.

The author wishes to take this opportunity in expressing his deep gratitude to Prof. S. Horiba of the Kyoto Imperial University for his kind guidance and valuable advices.

*The Wada Research Laboratory, The Institute of Physical and Chemical Research, Tokyo: and the Chemical Laboratory, Tokyo University of Literature and Science.*

(Received February 8, 1938.)